

# John Oprea

## List of Publications by Year in descending order

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30  
papers

526  
citations

1040018

9  
h-index

677123

22  
g-index

34  
all docs

34  
docs citations

34  
times ranked

159  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cohomologically symplectic spaces: toral actions and the Gottlieb group. Transactions of the American Mathematical Society, 1995, 347, 261-288.	0.9	40
2	Symplectic manifolds and formality. Journal of Pure and Applied Algebra, 1994, 91, 193-207.	0.6	35
3	On the Lusternik-Schnirelmann category of symplectic manifolds and the Arnold conjecture. Mathematische Zeitschrift, 1999, 230, 673-678.	0.9	32
4	The Mylar Balloon Revisited. American Mathematical Monthly, 2003, 110, 761-784.	0.3	32
5	Bredon cohomology and robot motion planning. Algebraic and Geometric Topology, 2019, 19, 2023-2059.	0.4	15
6	The mathematics of soap films. Student Mathematical Library, 2000, , 59-120.	0.0	11
7	Spaces of topological complexity one. Homology, Homotopy and Applications, 2013, 15, 73-81.	0.4	10
8	An upper bound for topological complexity. Topology and Its Applications, 2019, 255, 109-125.	0.4	10
9	Quotient maps, group actions and Lusternik-Schnirelmann category. Topology and Its Applications, 2002, 117, 285-305.	0.4	9
10	On the structure of co-Kähler manifolds. Geometriae Dedicata, 2014, 170, 71-85.	0.3	9
11	Higher topological complexity of aspherical spaces. Topology and Its Applications, 2019, 258, 142-160.	0.4	9
12	A Homotopical Conner-Raymond Theorem and a Question of Gottlieb. Canadian Mathematical Bulletin, 1990, 33, 219-229.	0.5	7
13	New lower bounds for the topological complexity of aspherical spaces. Topology and Its Applications, 2015, 189, 78-91.	0.4	7
14	A fundamental group for digital images. Journal of Applied and Computational Topology, 2021, 5, 249-311.	2.0	7
15	Homotopy Theory in Digital Topology. Discrete and Computational Geometry, 2022, 67, 112-165.	0.6	7
16	Mixing categories. Proceedings of the American Mathematical Society, 2011, 139, 3383-3392.	0.8	6
17	Category bounds for nonnegative Ricci curvature manifolds with infinite fundamental group. Proceedings of the American Mathematical Society, 2001, 130, 833-839.	0.8	5
18	Lusternik-Schnirelmann category, complements of skeleta and a theorem of Dranishnikov. Algebraic and Geometric Topology, 2010, 10, 1165-1186.	0.4	4

#	ARTICLE	IF	CITATIONS
19	A mapping theorem for topological complexity. Algebraic and Geometric Topology, 2015, 15, 1643-1666.	0.4	4
20	Koszulâ€“Sullivan Models and the Cohomology of Certain Solvmanifolds. Annals of Global Analysis and Geometry, 1997, 15, 347-360.	0.6	3
21	Subdivision of Maps of Digital Images. Discrete and Computational Geometry, 2022, 67, 698-742.	0.6	3
22	On Fox's $m$ -dimensional category and theorems of Bochner type. Topology and Its Applications, 2012, 159, 1448-1461.	0.4	2
23	Hereditary properties of co-Kähler manifolds. Differential Geometry and Its Applications, 2017, 50, 126-139.	0.5	2
24	Right-angled Artin groups, polyhedral products and the $\pi_1$ -generating function. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 0, , 1-25.	1.2	2
25	Principal bundles over tori and maps which induce the identity on homotopy. Topology and Its Applications, 1993, 52, 11-22.	0.4	1
26	A $C$ -symplectic free $S^1$ -manifold with contractible orbits and $\mathbf{CAT} = \frac{1}{2} \mathbf{DIM}$ . Proceedings of the American Mathematical Society, 2005, 134, 599-604.	0.8	1
27	Flat circle bundles, pullbacks, and the circle made discrete. International Journal of Mathematics and Mathematical Sciences, 2005, 2005, 3487-3495.	0.7	1
28	The propagation of non-Lefschetz type, the Gottlieb group and related questions. Journal of Fixed Point Theory and Applications, 2008, 3, 63-77.	1.1	1
29	On the geometry of the rotating liquid drop. Mathematics and Computers in Simulation, 2016, 127, 194-202.	4.4	1
30	Homotopy invariants and almost non-negative curvature. Mathematische Zeitschrift, 2022, 300, 1117-1140.	0.9	1